



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 7195

<b>SERIAL NUMBER</b> 09/701,705	<b>FILING OR 371(c) DATE</b> 12/01/2000 <b>RULE</b>	<b>CLASS</b> 375	<b>GROUP ART UNIT</b> 2611	<b>ATTORNEY DOCKET NO.</b> 15689.61
------------------------------------	---	---------------------	-------------------------------	--

**APPLICANTS**  
 Yukihiko Okumura, Kanagawa, JAPAN;  
 Hidehiro Ando, Kanagawa, JAPAN;  
 Masafumi Usuda, Kanagawa, JAPAN;  
 Yoshihiro Ishikawa, Kanagawa, JAPAN;  
 Seizo Onoe, Kanagawa, JAPAN;

**\*\* CONTINUING DATA \*\*\*\*\***  
 This application is a 371 of PCT/JP00/02105 03/31/2000

**\*\* FOREIGN APPLICATIONS \*\*\*\*\***  
 JAPAN 11/96804 04/02/1999  
 JAPAN 11/340638 11/30/1999  
 JAPAN 2000/82929 03/23/2000

Foreign Priority claimed <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<b>STATE OR COUNTRY</b> JAPAN	<b>SHEETS DRAWING</b> 44	<b>TOTAL CLAIMS</b> 84 53	<b>INDEPENDENT CLAIMS</b> 21
35 USC 119 (a-d) conditions met <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged Examiner's Signature: <u>[Signature]</u> Initials: _____				

**ADDRESS**  
 ADRIAN J. LEE  
 WORKMAN, NYDEGGER & SEELEY  
 1000 EAST GATE TOWER  
 60 EAST SOUTH TEMPLE  
 SALT LAKE CITY, UT84111

**TITLE**  
 Channel estimation device and method, demodulation device and method, and fading frequency decision device and method DECI

<b>FILING FEE RECEIVED</b> 4934	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
------------------------------------	---	---